

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

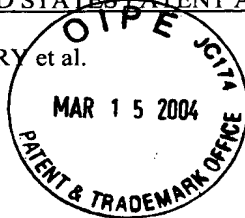
IN RE APPLICATION: Shelly John MECHERY et al.

GROUP ART UNIT: 2874

SERIAL NUMBER: 10/693,519

EXAMINER:

FILED: October 27, 2003



FOR: OPTICAL SENSING ELEMENTS FOR NITROGEN DIOXIDE (NO₂) GAS DETECTION, A SOL-GEL METHOD FOR MAKING THE SENSING ELEMENTS AND FIBER OPTIC SENSORS INCORPORATING NITROGEN DIOXIDE GAS OPTICAL SENSING ELEMENTS

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97

Assistant Commissioner for Patents
PO BOX 1450
ALEXANDRIA, VA 22313-1450

Sir:

Applicant(s) wish(es) to disclose the following information.

REFERENCES

- Applicant(s) wish(es) to make of record the documents listed on the attached Form PTO-1449. Copies of the listed documents are attached, where required, as are either statements of relevancy or any readily available full or partial English translations of any non-English-language documents.

RELATED CASES

- Attached is a list of Applicant's(s') pending applications and issued patents which may be related to the present application. Copies of the documents, where required, are attached along with Form PTO-1449.

CERTIFICATION

The undersigned certifies that

- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign or international patent office in a counterpart foreign or international application for the first time (to the knowledge of the undersigned, having made reasonable inquiry) not more than three months prior to the filing of this statement.
- ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign or international patent office in a counterpart foreign or international application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement.

BASIS FOR CONSIDERATION

This Information Disclosure Statement is filed:

- ☐ without fee and within three months of the filing date of the application.
- ☐ without fee and within three months of the date of entry of the U.S. national stage.
- without fee and before the mailing date of a first Office Action on the merits (to the knowledge of the undersigned).
- ☐ without fee and with the appropriate certification above.
- ☐ without fee and with a new CPA application.
- ☐ without fee and with a Request for Continued Examination.
- ☐ with fee and before the mailing date of any of a Final Office Action, Notice of Allowance or an action that otherwise closes prosecution (to the knowledge of the undersigned).
- ☐ with fee, appropriate certification above, and before payment of the Issue Fee.

DEPOSIT ACCOUNT

- Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to Deposit Account No. 50-1442.

Respectfully submitted,

PIPER RUDNICK LLP

Steven B. Kelber
Attorney of Record
Registration No. 30,073
Christopher W. Raimund
Registration No. 47,258

1200 Nineteenth Street, N.W.
Washington, DC 20036-2412
Telephone No. (202) 861-3900
Facsimile No. (202) 223-2085

DOCKET NO.: 2343-173-27



LIST OF RELATED CASES

Docket Number	Serial or Patent Number	Filing or Issue Date	Status
2343-133-27	10/046,731	January 17, 2002	Pending
*2343-173-27	10/693,519	October 27, 2003	Pending

The cases listed on this Notice of Related Cases include cases which may contain information that is material to patentability. The listing of a case on this Notice should not be taken as an indication or admission that any information contained therein is material. Prior art for each case listed on this Notice may have been cited. **The files corresponding to the listed cases, which are available to the Examiner, may not have not been examined to ascertain the materiality of any prior art therein.** Accordingly, the Examiner is requested to review the file for each case listed on this Notice in order to assess the materiality of such prior art.

*Present application; listed for information.



Form PTO 1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	DOCKET NO. 2343-173-27	SERIAL NO. 10/693,519
	APPLICANT Shelly John MECHERY et al.	
	FILING DATE October 27, 2003	GROUP ART UNIT 2874

LIST OF REFERENCES CITED BY APPLICANT
(Use Several Sheets if Necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5,567,622	10/1996	JADISZLIWER ET AL.	436	106	07/05/1995
	AB	6,362,005	03/2002	TANAKA ET AL.	436	117	08/24/1998

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
--	--	--------------------	------	---------	-----------------------

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AC	<u>Saltzman</u> , "Colorimetric Microdetermination of Nitrogen Dioxide in the Atmosphere", Anal. Chem. 26, 1949-1955 (1954).
	AD	<u>Harper et al.</u> , "Detection of Nitric Oxide and Nitrogen Dioxide with Photoluminescent Porous Silicon", Anal. Chem. 68, 3713-3717 (1996).
	AE	<u>K.T.V. Grattan and T. Sun</u> , "Optical Fiber Sensor Technology: Fundamentals", Kluwer Academic Publishers, Dordrecht (1999).
	AF	<u>Krohn</u> , "Fiber Optic Sensor: Fundamentals and Applications", ISA-Instrumentation, Systems, and Automation Society, North Carolina (2000).
	AG	<u>B. Culshaw and J.P. Dakin</u> , "Optical Fiber Sensing and Signal Processing", Peter Peregrinus Ltd., London (1986) and "Optical Fiber Sensors: Components and Subsystems", Artech House, Inc., London (1996).

EXAMINER	DATE CONSIDERED
----------	-----------------

*EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.